

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) Method for determining the envelope curve of a modulated input signal (S) ~~with, comprising the following method steps of:~~

- ~~- generation of~~ generating digital samples (A_n) by digital sampling (1) ~~of the a~~ modulated input signal (S),
- ~~- generation of~~ generating Fourier-transformed samples (B_n) by Fourier transformation (2) ~~of~~ transforming the digital samples (A_n),
- ~~- generation of~~ generating sideband-cleaned, Fourier-transformed samples (B'_n) by removing (3) ~~the a~~ range (10) with negative frequencies or ~~the a~~ range (11) with positive frequencies from the Fourier-transformed samples (B_n),
- ~~- generation of~~ generating inverse-transformed samples (C_n) by inverse Fourier transformation (4) ~~of~~ transforming the sideband-cleaned, Fourier-transformed samples (B'_n) and
- ~~- formation (5) of the~~ forming values of the absolute value (D_m) of the inverse-transformed samples (C_n).

2. (Currently Amended) Method according to claim 1, ~~characterised in that in order to generate the sideband-cleaned, Fourier-transformed samples (B'_n), the~~ comprising removing a level component (12) at the a zero frequency is also removed in addition to the range (10, 11) with the negative or positive frequencies in order to generate the sideband-cleaned, Fourier-transformed samples.

3. (Currently Amended) Method according to claim 1 ~~or 2, characterised in that,~~ comprising processing the inverse-transformed samples (C_n) ~~are processed~~

further only in such a limited range (13) that a cyclic continuation, which is caused by the Fourier transform and inverse Fourier transform, is suppressed.

4. (Currently Amended) Method according to ~~one of the claims~~ claim 1 to 3, characterised in that, comprising logarithmizing the values of the absolute value (D_m) ~~are logarithmised~~ relative to an effective value (D_{eff}) of the inverse-transformed samples.

5. (Currently Amended) Method according to claim 4, ~~characterised in that, comprising displaying~~ the frequency distribution of the ~~logarithmised~~ logarithmized values ~~is displayed~~ as a function of the ~~logarithmised~~ logarithmized level (CCDF complementary cumulative distribution function diagram[]).

6. (Currently Amended) Digital storage medium with electronically readable control signals which can cooperate with a programmable computer or digital signal processor ~~such that~~ to implement the method according to ~~one of the claims~~ claim 1 to 5 ~~is implemented~~.

7. (Currently Amended) Computer ~~programme~~ program product with ~~programme~~ a program code means which are stored on a machine-readable carrier in order to ~~be able to~~ implement all the steps according to ~~one of the claims~~ claim 1 to 5 when the ~~programme~~ program is run on a computer or a digital signal processor.

8. (Currently Amended) Computer ~~programme~~ program with ~~programme~~ program code means in order to ~~be able to~~ implement all the steps according to ~~one of~~

~~the claims claim 1 to 5~~ when the ~~programme~~ program is run on a computer or a digital signal processor.

9. (Currently Amended) Computer ~~programme~~ program with ~~programme~~ program code means in order to be able to implement all the steps according to ~~one of~~ ~~the claims claim 1 to 5~~ when the ~~programme~~ program is stored on a machine readable data carrier.